

Claims

1. (Original) A revolving type winding machine comprising two turret tables having at least two bobbin holders rotatably mounted thereon, respectively, a press roller and a traverse device are arranged corresponding to the bobbin holders upstream the respective turret table, whereby a bobbin installed on one bobbin holder is switched to a bobbin installed on the other bobbin holder when the yarn wound on the bobbin reaches a predetermined amount characterized in that said two turret tables are disposed on the opposite sides of a yarn passage, rotational directions of a press roller provided for one turret table and a press roller provided for the other turret table are reversed, rotational directions of said one turret table and the other turret table are reversed, and the center of each press roller touching a bobbin holder or a yarn being wound during winding of yarn is located between an imaginary line c connecting the centers of two bobbin holders projecting from said one turret table and an imaginary line c' connecting the centers of two bobbin holders projecting from the other turret table.

2. (Original) A revolving type winding machine according to claim 1 characterized in that an imaginary line connecting the center of said press roller and the rotating center of said bobbin holder forms an angle β which is not larger than 45° relative to a vertical line.

3. (Currently Amended) A revolving type winding machine according to claim 1 or 2 characterized in that said imaginary lines c and c' connecting the centers of the respective two bobbin holders form $\pi/2$ shape at least upon start of yarn winding.

4. (Currently Amended) A revolving type winding machine according to ~~any one of claims 1 to 3~~ characterized in that a threading device is disposed correspondingly to each bobbin holder located at winding position, said threading device is provided with a threading guide, and during storage, said threading guide is located at a storing position which is sandwiched by loci a and a' drawn by outer surfaces of bobbins inserted onto said bobbin holders projecting from said turret tables upon rotation of the turret tables, while upon threading, a plurality of threading guides are movable in such directions that they move away from each other from said storing position to threading position which exceeds contacting lines b and b' between said press roller and outer surfaces of rotating bobbins which are contacting with said press rollers.

5. (Currently Amended) A revolving type winding machine according to ~~any one of claims 1 to 4~~ characterized in that a traverse device for traversing yarns is disposed between said two press rollers.

6. (Currently Amended) A revolving type winding machine according to ~~any one of claims 1 to 4~~ characterized in that a traverse device, corresponding to respective press roller, for traversing a yarn is disposed upstream said two press rollers, wherein said traverse device has a plurality of rotating blades, rotating in an opposite direction, so as to traverse a yarn.

7. (Currently Amended) A revolving type winding machine according to ~~any one of claims 1 to 6~~ characterized in that said press rollers are movable so that distance between the centers of said press rollers and said bobbin holders are expanded as the amount of yarn wound on bobbins inserted onto said bobbin holders increase.

8. (Currently Amended) A revolving type winding machine according to ~~any one of claims 1 to 6~~ characterized in that said turret tables having said holders projecting therefrom are movable so that distance between the centers of said bobbin holders and said press rollers are expanded as the amount of yarn wound on bobbins inserted onto said bobbin holders increase.

9. (Currently Amended) A revolving type winding machine according to claim 7 ~~or 8~~ characterized in that said press rollers are linearly movable.

10. (Currently Amended) A revolving type winding machine according to claim 7 ~~or 8~~ characterized in that said press roller is rotatably supported at an end of an arm, and the other end of the arm is pivoted.

11. (Currently Amended) A revolving type winding machine according to ~~any one of claims 1 to 10~~ characterized in that a feed roller is disposed upstream said winding machine.